

6-17-03 TL

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09/768,829In the Claims:

1. (currently amended) A reduced set character entry system for an electronic appliance, including an electronic appliance display, said reduced set character entry system comprising:
- a first set of multiple keys, said first set of multiple keys representing at most a selected subset comprising a single row of characters from a set of QWERTY style keyboard rows, each of said keys associated with a character of said selected subset such that when any of said first set of multiple keys is actuated said associated character is input to said electronic appliance;
- a second set of keys, at least one of said second set of keys actuated to change said selected row of characters associated with said keys, and
- ~~an electronic appliance display, said display displaying the characters of said~~  
selected row, wherein said display of said selected subset represented by said first set of multiple keys is at most said single row.
2. (original) A reduced set character entry system for an electronic appliance, as per claim 1, wherein said electronic appliance display additionally displays previously input characters.
3. (original) A reduced set character entry system for an electronic appliance, as per claim 2, wherein, each of said first set of multiple keys comprises an electronic character display and input mechanism, said electronic character display retaining an image of an associated character of the selected row and said electronic appliance display retaining only said previously input characters.

ARC920000016US1  
09/768,829

4. (original) A reduced set character entry system for an electronic appliance, as per claim 1, wherein said electronic appliance comprises:

- a top surface;
- a bottom surface;
- a plurality of side surfaces connecting said top surface and said bottom surface;
- said electronic appliance display disposed on said top surface;
- said first set of at least ten keys disposed on said top surface, and
- said second set of keys disposed on one or more of said side surfaces.

5. (original) A reduced set character entry system for an electronic appliance, as per claim 1, wherein said electronic appliance comprises:

- a top surface;
- a bottom surface;
- a plurality of side surfaces connecting said top surface and said bottom surface;
- said display disposed on said top surface, and

wherein one or more of said first and second set of keys are disposed on one or more of said side surfaces.

6. (original) A reduced set character entry system for an electronic appliance, as per claim 1, wherein at least one of said second set of keys is actuated to shift the case of said characters associated with said first set of keys.

7. (original) A reduced set character entry system for an electronic appliance, as per claim 1, wherein said second set of keys comprises two keys, a first of said two keys actuated to change

ARC920000016US1  
09/768,829

said currently selected row to a row above said currently selected row and a second of said two keys actuated to change said currently selected row to a row below said currently selected row.

8. (currently amended) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces, said electronic appliance comprising:

a first set of input keys located on said top surface, said set comprising a single row of characters, wherein each of said input keys is associated with an individual character of a first subset of a set of input characters, said subset comprising a single row of characters from a set of keyboard rows, and actuation of any of said input keys causing the character associated with said actuated input key to be input to said electronic appliance;

at least one selection key located on one of said side surfaces;

a display located on said top surface, said display displaying at most said first subset single row of input characters, and

wherein actuation of said selection key changes said first subset to a second subset so that each of said input keys is associated with an individual character of said second subset and said display is changed to display said second subset.

9. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces, as per claim 8, wherein said display additionally displays previously input characters.

10. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces, as per claim 9, wherein said

ARC920000016US1  
09/768,829

display comprises a plurality of displays, a first display showing said previously input characters and a second segmented display comprising each of said first set of input keys.

11. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces, as per claim 8, wherein one or more of said first set of input keys is disposed on one or more of said side surfaces.

12. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces, as per claim 8, wherein said characters comprise any of: alphabetic, numerical, kanji or kana.

13. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces, as per claim 8, said electronic appliance further comprising:

at least one control key located on one of said side surfaces, and

wherein actuation of said control key causes said individual characters associated with said input keys to shift between lower case and upper case alphabetic characters.

14. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces, as per claim 8, wherein said subsets are rows of a QWERTY style keyboard layout.

15. (currently amended) A compact keyboard input device for an electronic appliance, said input device comprising:

ARC920000016US1  
09/768,829

a set of character input keys, said set less in number than an input character set and displayed in at most a single row, each of said keys comprising an electronic character display and corresponding input mechanism;

each of said displays displaying an individual character of said input character set associated with said display, actuation of said corresponding input mechanism causing said displayed character to be input to said electronic appliance;

at least one selection key, and

wherein actuation of said selection key causes each of said displays to display a different individual character of said input character set.

16. (original) A compact keyboard type input device for an electronic appliance, as per claim 15, wherein said electronic appliance has an output display, said output display displaying previously entered characters.

17. (original) A compact keyboard type input device for an electronic appliance, as per claim 16, wherein said electronic appliance comprises:

a top surface;

a bottom surface;

a plurality of side surfaces connecting said top surface and said bottom surface;

said output display disposed on said top surface;

wherein one or more of said character keys and selection keys are disposed on one or more of said side surfaces.

ARC920000016US1  
09/768,829

18. (original) A compact keyboard type input device for an electronic appliance, as per claim

15, said input device further comprising:

a control key, and

wherein said control key switches said displayed characters between upper case and lower case characters.

19. (original) A compact keyboard type input device for an electronic appliance, as per claim

15, wherein said input character set is any of: alphabetic, numeric, kanji, or kana.

20. (currently amended) An electronic appliance having an input/output device, said appliance comprising:

a display, said display displaying a selected set of input characters;

a wrist band connected to said display for securing said display to the wrist of a user;

a flexible assembly operatively connected to said display;

said flexible assembly having a set of character keys located thereon, each of said character keys associated with an individual character of said selected set of input characters and at least one control key, wherein said selected set of input characters comprises at most a single row of characters from a set of keyboard rows, and

wherein actuation of any of said characters keys causes the character associated with said actuated key to be input into said device and actuation of said control key causes said currently selected set of input characters to be changed to a different set of input characters.

ARC920000016US1  
09/768,829

21. (original) An electronic appliance having an input/output device, as per claim 20, wherein said flexible assembly is pivotal from a position where said assembly extends substantially along and underneath said wristband to a position substantially perpendicular to said wristband.

22. (original) An electronic appliance having an input/output device, as per claim 20, wherein said electronic appliance is a wristwatch.

23. (currently amended) A portable phone including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, said portable phone comprising:

a display located on said top surface;

an input assembly operatively connected to said portable phone;

said input assembly having a set of character keys located thereon, each of said character keys associated with an individual character of a selected set of input characters, said selected set comprising at most a single row of characters from a set of keyboard rows, and at least one control key, and

wherein actuation of any of said characters keys causes the character associated with said actuated key to be input into said device and actuation of said control key causes said currently selected set of input characters to be changed to a different set of input characters.

24. (original) A portable phone including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 23, wherein said input assembly is integrated with said portable phone, said input assembly rotatable from a closed position where said input assembly is substantially

ARC920000016US1  
09/768,829

enclosed within said housing to a position where said character keys and said control key are exposed for actuation.

25. (original) A portable phone including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 24, wherein said input assembly's axis of rotation is perpendicular to a plane containing said side surfaces.

26. (original) A portable phone including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 23, wherein said input assembly is externally attachable to said portable phone.

27. (currently amended) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, said electronic appliance comprising:

an input assembly integrally connected to said electronic appliance;

said input assembly having a set of character keys located thereon, each of said character keys associated with an individual character of a selected set of input characters, said selected set comprising at most a single row of characters from a set of keyboard rows, and at least one control key;

said input assembly positionable in a first position where said input assembly is substantially enclosed within said housing;



ARC920000016US1  
09/768,829

said input assembly positionable in a second position where said character keys and said control key are exposed for actuation;

wherein upon positioning said input assembly in said second position, actuation of any of said characters keys causes the character associated with said actuated key to be input into said device and actuation of said control key causes said currently selected set of input characters to be changed to a different set of input characters.

28. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 27, wherein said assembly is positionable in said second position via rotation of said assembly from said first position about an axis perpendicular to a plane containing said plurality of sides.

29. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 27, said electronic appliance further comprising a display located on said top surface.

30. (currently amended) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, said electronic appliance comprising:

a first set of input keys located on any of said side surfaces, said set of input keys arranged in a single row, each of said input keys associated with an individual character of a first subset of a set of input characters, said set of input characters comprising at most single row from

ARC920000016U81  
09/768,829

a set of keyboard rows, and actuation of any of said input keys causing the character associated with said actuated input key to be input to said electronic appliance;

at least one selection key located on any of said side surfaces, and

wherein actuation of said selection key changes said first subset to a second subset so that each of said input keys is associated with an individual character of said second subset.

31. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 30, wherein said electronic appliance is a portable phone.

32. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 30, wherein said input keys and said selection key are located on different ones of said side surfaces.

33. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 31, wherein said input keys and said selection key are located on different ones of said side surfaces.

34. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 33, wherein said side surface having said input keys located thereon is opposite to said side surface having said selection key located thereon.

ARC920000016US1  
09/768,829

35. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 30, further comprising:

a display located on said top surface, and

wherein information displayed on said display is rotating to be in an orientation appropriate for viewing by a user utilizing said input keys.

36. (original) An electronic appliance including a housing having top and bottom surfaces and a plurality of side surfaces connecting said top and bottom surfaces and a reduced set character entry system, as per claim 30, wherein an equal number of input keys and selection keys are located upon said first one and second one of said side surfaces, at least one key of said set of input keys acting as a selection key and at least one selection key acting as an input key as a result of switching between dominate hand modes.